

WHAT IS CLAIMED IS:

1. A drive control apparatus for an optical apparatus including a first focus lens unit which is manually operated, a second focus lens unit which is driven under auto focusing control and a magnification-varying lens unit, comprising:

a focus motor which drives the second focus lens unit;

a zoom motor which drives the magnification-varying lens unit; and

a controller which controls driving of the magnification-varying lens unit through the zoom motor and operates in a first mode carrying out the auto focusing control through the focus motor and in a second mode not carrying out the auto focusing control, the controller carrying out control so as to drive the second focus lens unit to a first predetermined position when switching from the first mode to the second mode,

wherein, when switching from the first mode to the second mode, the controller carries out control so as to drive the magnification-varying lens unit to a second predetermined position.

2. The drive control apparatus according to claim 1, wherein the second predetermined position is a wide-angle end.

3. The drive control apparatus according to claim 1, wherein the second predetermined position is a telephoto end.

4. The drive control apparatus according to claim 1, wherein the controller carries out the auto focusing control based on an AF evaluation value signal indicating a contrast state of an object image generated from an image signal obtained through image taking with the optical apparatus.

5. An optical apparatus comprising:  
a first focus lens unit which is manually operated;  
a second focus lens unit which is driven under auto focusing control;  
a magnification-varying lens unit; and  
the drive control apparatus according to claim 1.

6. The optical apparatus according to claim 5, further comprising an image-pickup device which photoelectrically converts an object image.